

Bos.taurus

40 50 60 70 80 90

Mastigo.1 RRQFMNLLAFGTVTVGVALGALYPLVKYFIPPSSGAVGGGTTAKDKLGNNVKVSKFLESHNAGDRVIVQGLKGDPT

Synecho.sp RRQFMNLLTFGTITGVAAGALYPAVKYLIPPSSGGSSGGVTAKDALGNDVKVTEFLASHNAGDRVLAQGLKGDPT

Chlamy.r KRNIIMNLLLAGGAGLPITTLALGYGAFFVPPSSGGGGGQAAKDALGNDIKAGEWLKTHLAGDRSLSQGLKGDPT

Spinacia.o KRFTLNLLLLALSLPTGYMLLPYASFFVPPGGGAGTGGTIAKDALGNDVIAAEWLKTHAPGDRTLTQGLKGDPT

-----TM-Helix----- helix --b1- --b2--- -b3

Bos.taurus RKGFSLVLTATTIVGVAAYAANKVVSQFVSSMSASADV-LAMSKIEIKL-----SDIPEGKNMAFKW-RGKPL

Chicken RKGFSLVLTATACVATAYAAKNVVTQFISLSASADV-LALSKIEIKL-----SDIPEGKNVAFKW-RGKPL

Sach.cere GRSYAYFMVGMGLLSSAGAKSTVETFISSMTATADV-LAMAKVEVNL-----AAIPLGKNVVKW-QGKPV

Rb.sphaer RRDFLYYATAGAGAVATGAA---VWPLINQMNPASADV-QALASIFVDV-----SSVEPGVQLTVKF-LGKPI

Rb.capsul RRDFLYHATAATGVVVTGAA---VWPLINQMNASADV-KAMASIFVDV-----SAVEVGTQLTVKW-RGKPV

Rb.capsul

20 30 40 50 60 70

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100 110 120 130 140 150

Mastigo.1 YIVVESKE-----AIRDYGINAVCTHLGCVVPPWN-AA

Synecho.sp YIVVQGDD-----TIANYGINAVCTHLGCVVPPWN-AS

Chlamy.r YLIVTADS-----TIEKYGLNAVCTHLGCVVPPWN-AA

Spinacia.o YLVVESDK-----TLATFGINAVCTHLGCVVPPFN-AA

b3--- ---helix--- turn 3/10 ---b4-- b5

Bos.taurus FVRHR TKKEI DQEAAVEVSQLRDP-----QHDLERVK-----KPEWVILIGVCTHLGCVPIAN-AG

Chicken FVRHRTQAEINQEAEVDVSKLRDP-----QHDLDREVK-----KPEWVILVGVCTHLGCVPIAN-SG

Sach.cere FIRHRTPHEIQEANSVDM SALKDP-----QTDA DREVK-----DPQWLIMLGICTHLGCVPIGE-AG

Rb.sphaer FIRRRTEADI ELGRSVQLGQLVDTNARNANIDAGAEATDQNR TLD-----EAGEWLVMWGVCTHLGCVPIGGVSG

Rb.capsul FIRRRDEKDI ELARSVPLGALRDTSAENANK-PGAEATDENR TLPAPFDGTNTG EWLVMVLGVCTHLGCVPMGDKSG

Rb.capsul

80 90 100 110 120 130 140